

CLAIMS

1. Microdosing device with a dosing chamber for the at least partial reception of a liquid quantity and with which is associated at least one discharge opening, as well as with a vibrating unit in operative connection with at least one boundary surface of the dosing chamber in order to vibrate the same for a discharge process, and with a delivery function unit, connected to the vibrating unit, for activating the latter during a delivery time period, wherein in addition a drying function unit (11, 11a) is provided, which can be activated in time-separated manner with respect to the delivery function unit (12, 12a) in order to remove liquid residues from the dosing chamber (3, 3a).
2. Microdosing device according to claim 1, wherein the drying function unit (11) is connected to the vibrating unit (6) in order to activate the latter for a drying process.
3. Microdosing device according to claim 1, wherein the delivery function unit (12) and drying function unit (11) are parts of a common electronic control device (S), which is provided with a time function element for coordinating the time-separated activating processes of the vibrating unit (6) by the delivery function unit (12) and the drying function unit (11).
4. Microdosing device according to claim 1, wherein a collecting reservoir (15) for receiving liquid residues from the dosing chamber (3) in either a gaseous or liquid state is associated with the said dosing chamber (3).
5. Microdosing device according to claim 1, wherein the drying function unit (11) incorporates a heating device or a delivery device (14) for pumping or sucking out the liquid residues.
6. Method for dosing small liquid quantities by the vibration of at least one boundary surface of a dosing chamber by activating and deactivating a vibrating unit, wherein the vibrating unit (6, 6a) is activated for a delivery time period for the dis-

charge of the liquid quantity and is then deactivated and after deactivating the vibrating unit (6, 6a) liquid residues remaining in the dosing chamber (3) are removed therefrom by a drying process.

7. Method according to claim 6, wherein the vibrating unit (6) is again activated over a drying time period for the drying process.